

**CHO**  
**CHOSH-P-MARI001-3410**  
**3410\_TK3 80-10 PYG**

Batch ID

Lot ID

Material

Comment

REF# 8101642798

10 Mar 2019

22:40:00

complete Low Limit High Limit

RETAINED		Yes		
NO FREE WATER		NOPR	=	NOPR
DEE	wtPPM	0.22		
ACETALDEHYDE	wtPPM	12.27		
MTBE	wtPPM	31.49		
PROPANAL	wtPPM	22.01		
ISOBUTYLALDEHYDE	wtPPM	1.41		
BUTANAL	wtPPM	5.44		
METHANOL	wtPPM	1.86	<=	200
VINYL ACETATE	wtPPM	0.00	<=	100
ACETONE	wtPPM	146.21		
MEK	wtPPM	13.94		
ETHANOL	wtPPM	26.98		
C3 ALCOHOLS	wtPPM	19.30		
ALLYL ALCOHOL	wtPPM	32.57		
ISOBUTANOL/TBA	wtPPM	3.39		
CARBONYLS as AA	wtPPM	152.36	<=	500
TOT AS METHANOL	wtPPM	187.64		
SUB-TOTAL1		1.86		
NITROGEN AS N	wtPPM	<b>22.511</b>	<=	20
SULFUR	wtPPM	286.7	<=	300
H2O2	wtPPM	5	<=	50
API GRAV 60/60F		37.9		
APPEARANCE		PASS	=	PASS
DENSITY 60F		0.8346		
GUMS mg/100 mls		79		
RVP PSIA 100 F		7.0	<=	10.9
UNW GUM mg/100ml		234		
EMAIL RESULTS		Yes		
C1	WT%	0.00		
C2=	WT%	0.01		
C2	WT%	0.01		
C3=	WT%	0.01		
C3	WT%	0.01		
METHYL ACETYLENE	WT%	0.00		
PROPADIENE	WT%	0.00		
CYCLO C3	WT%	0.00		
IC4	WT%	0.01		
B1=/IB1=	WT%	0.01		
BD1-3	WT%	0.07		
NC4	WT%	0.05		
VINYI ACFTYI FNF	WT%	0.00		

TB2=	WT%	0.01	
NEO C5	WT%	0.00	
ETHYL ACETYLENE	WT%	0.00	
METHYL CYCLO C3	WT%	0.00	
CB2=	WT%	0.02	
BD1-2	WT%	0.09	
3MB1=	WT%	0.15	
IC5	WT%	0.60	
PD1-4	WT%	0.69	
DMA	WT%	0.22	
PENTENE-1	WT%	2.27	
2MB1	WT%	0.19	
NC5	WT%	0.58	
ISOPRENE	WT%	1.59	
T PENTENE-2	WT%	0.49	
C PENTENE-2	WT%	0.30	
2MB2	WT%	0.14	
T PD1-3	WT%	1.63	
CYCLOPD	WT%	2.52	
CPD1-3/NEO C6	WT%	0.15	
CYCLO C5=	WT%	1.65	
CYCLO C5	WT%	0.13	
MCP=	WT%	0.14	
BENZENE	WT%	36.288	
TOLUENE	WT%	4.78	
ETHYL BENZENE	WT%	0.40	
p/m XYLENE	WT%	0.39	
STYRENE	WT%	2.36	
VINYL NORBORNENE	WT%	0.41	
o-XYLENE	WT%	0.15	
a-METHYLSTYRENE	WT%	0.04	
DCPD	WT%	10.56	<= 15
INDANE	WT%	0.04	
INDENE	WT%	0.86	
DIHYDRO DCPD	WT%	0.18	
DIHYDRO MET DCPD	WT%	0.05	
NAPHTHALENE	WT%	0.80	
C5s	WT%	14.09	
C1-C5	WT%	14.41	
C6-C8 NONARO	WT%	17.31	
C9s	WT%	1.85	
TOTAL AROMATICS	WT%	46.05	
C10s AND HEAVIER	WT%	21.65	
BENZENE LV	LV%	34.55	
TOLUENE LV	LV%	4.61	
C10s AND HEAVIER LV	LV%	17.52	
DCPD LV	LV%	9.03	
DIHYDRO DCPD LV	LV%	0.15	
DIHYDRO MET DCPD LV	LV%	0.04	
HEXANE	WT%	2.85	
HEPTANE	WT%	0.20	
OCTANE	WT%	0.03	

NONANE	WT%	0.01
RCF	WT%	19.31
C1-C4s	WT%	0.31
C1-C4 Named	WT%	0.31
C1-C4 Unk	WT%	0.00
Model GRP C4s	WT%	0.31
C5s NAMED	WT%	13.30
C5s Unk	WT%	0.80
Model GRP C5s	WT%	14.09
C6s NAMED	WT%	39.27
C6s Unk	WT%	7.99
Model GRP C6s	WT%	47.26
C7s NAMED	WT%	4.98
C7s Unk	WT%	5.74
Model GRP C7s	WT%	10.73
C8s NAMED	WT%	3.33
C8s Unk	WT%	0.43
Model GRP C8s	WT%	3.76
C9s NAMED	WT%	1.36
C9s Unk	WT%	0.84
Model GRP C9s	WT%	2.20
C10s plus HV Named	WT%	11.60
C10s plus HV Unk	WT%	10.05
Model GRP C10 Plus	WT%	21.65
TOTAL	WT%	99.99